Construction

Introduction

The Construction program is designed to prepare individuals for a variety of responsible positions in the field of construction.

Broad objectives of the program include developing fundamental knowledge of science, engineering, business, management, architecture and construction principles; applying scientific, technological and management principles to the solution of construction problems; and integrating diverse scientific and technical areas as they impact on the construction field.

General Requirements
Bachelor of Science Degree

Total for graduation	128 credits
General Education	46 credits
Major Studies	76 credits
Writing and Science Preparation	6 credits

Program Requirements

General Education

46 credits required

A. Communication Skills — 8 credits

ENGL-101	Freshman English – Composition *or*	
ENGL-111	Freshman English – Honors I	3
ENGL-102	Freshman English – Reading and Related Writing *or*	
ENGL-112	Freshman English – Honors II	3
SPCOM-100	Fundamentals of Speech	2

B. Analytic Reasoning — 6 credits

MATH-153	Calculus I	4
STAT-130	Elementary Statistics	2

C. Health and Physical Education — 2 credits

Courses must be from areas of health, physical education or nutrition.

D. Humanities and the Arts — 9 credits

Courses must be from three or more areas including art history, creative arts, foreign language and culture, history, literature, music appreciation, performing arts and philosophy.

E. Social and Behavioral Sciences — 9 credits

ECON-201	General Economics *or*	
ECON-210	Principles of Economics I	3
POLS-210	American Government	3
SOC-110	Introductory Sociology *or*	
PSYC-110	General Psychology	3

F. Natural Sciences (with Lab) **— 10 credits**

PHYS-241	College Physics I *and*	
PHYS-242	College Physics II	10

G. Technology — 2 credits

Major Studies

76 credits required

Business and Management — 18 credits

INMGT-300	Engineering Economy	3
INMGT-400	Organizational Leadership	3
BUACT-201	Financial–Managerial Accounting *or*	
BUACT-206	Introduction to Financial Accounting	3
BUMGT-304	Principles of Management	3
BUMKG-330	Principles of Marketing	3
PSYC-382	Human Resource Management	3

Architecture, Engineering and Construction — 58 credits

RC-388	Construction Safety	3
BULGL-473	Legal Aspects of Construction	3
AEC-131	Architectural Graphics	3
AEC-171	Light Construction Methods and Materials	3
AEC-190	Orientation to Construction Industry	1
AEC-237	Architectural Technology	3
AEC-270	Heavy Construction Methods and Equipment	3
AEC-273	Concrete and Masonry Technology	3
AEC-357	Site Engineering	3
AEC-438	Contract Requirements and Specifications	3
AEC-452	Environmental Systems – HVAC	3
AEC-453	Environmental Systems – Plumbing and Electrical	3
AEC-458	Structural Systems – Wood and Steel	3
AEC-459	Structural Systems – Concrete and Masonry	3
AEC-370	Construction Estimating I	3
AEC-470	Construction Estimating II	3
AEC-472	Management of Construction	3
AEC-471	Project Scheduling and Cost Control	3
AEC-449	Cooperative Education Experience	2
PHYS-321	Statics and Strength of Materials	4

Writing and Science Preparation

6 credits required

ENGL-320	Business Writing *or*	
ENGL-415	Technical Writing	3
PHYS-257	Introduction to Geology and Soil Mechanics	3